

Fig.1.

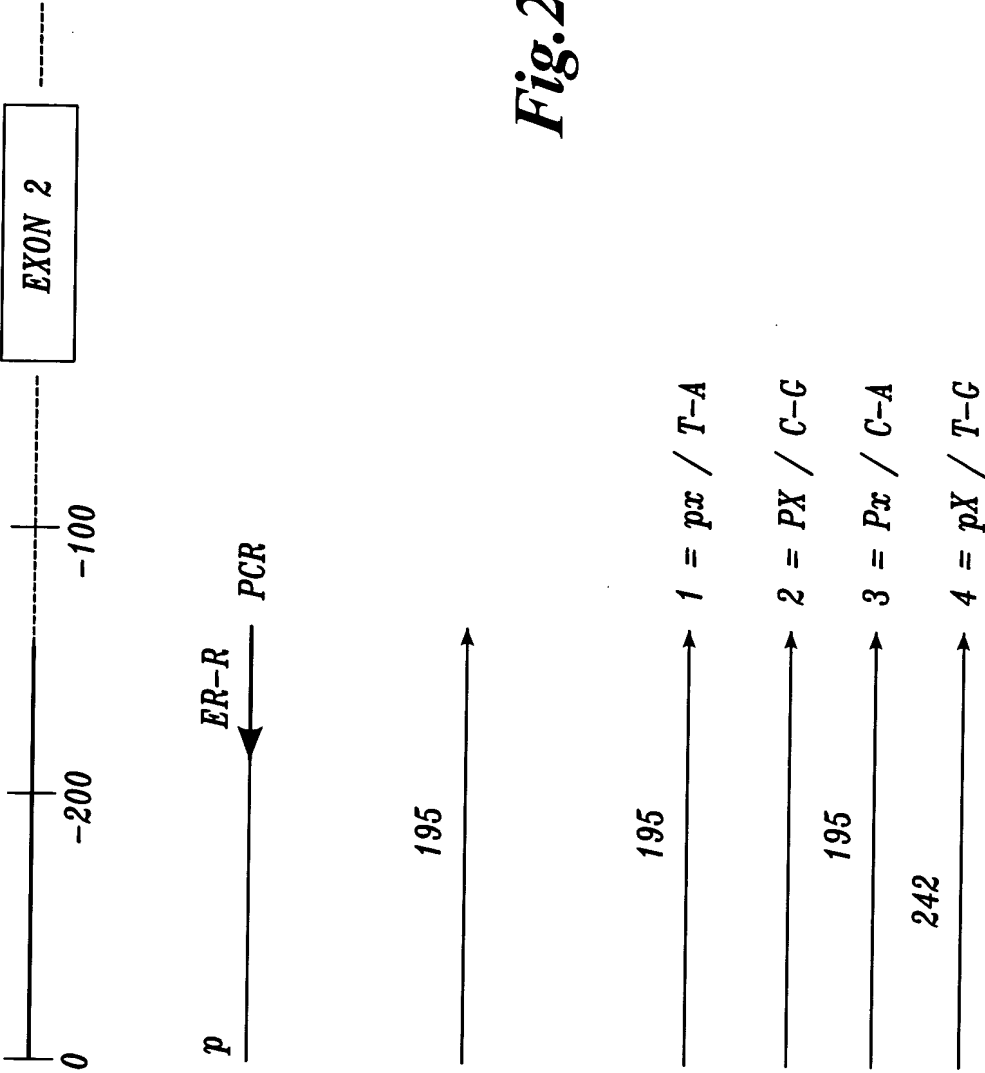


Fig.2.

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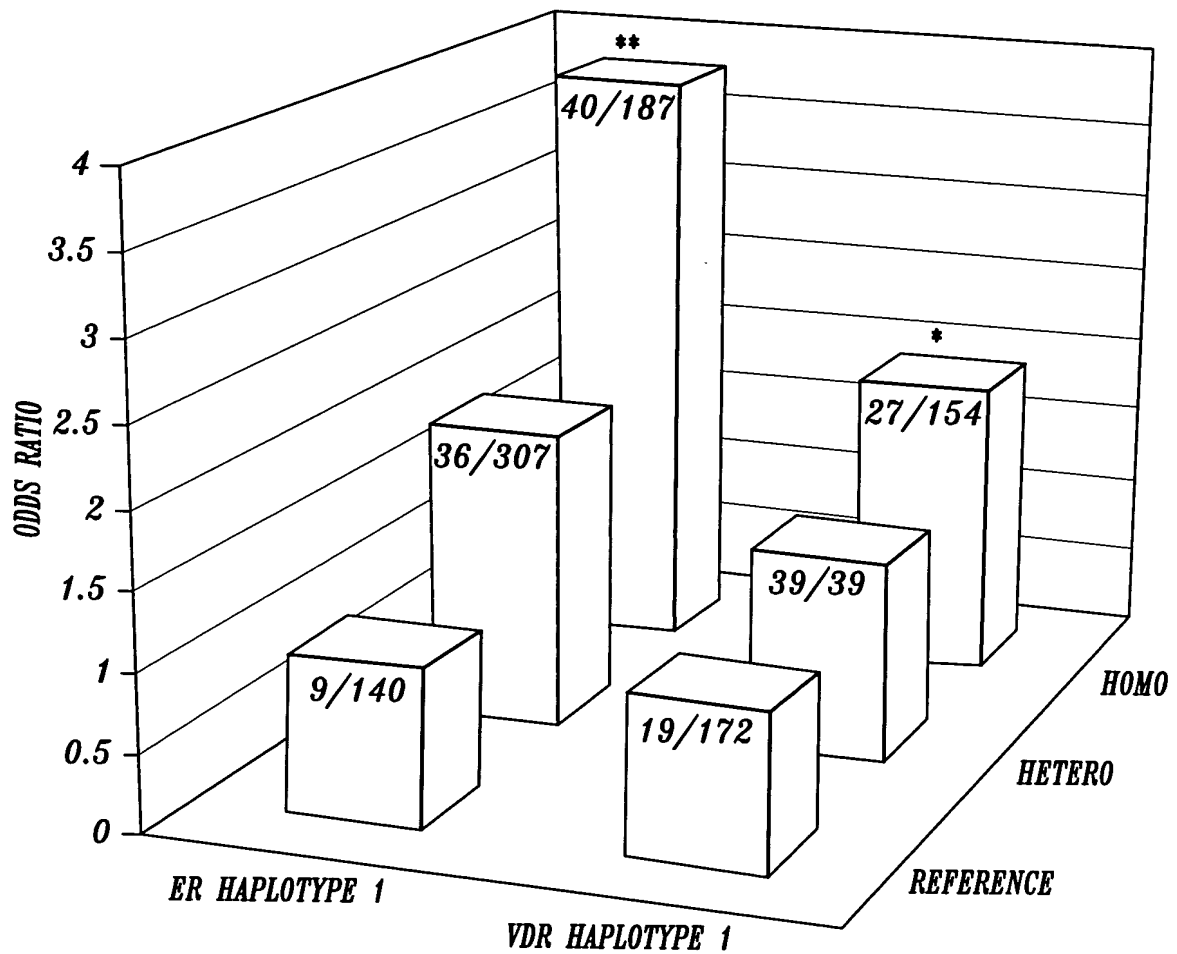


Fig.3.

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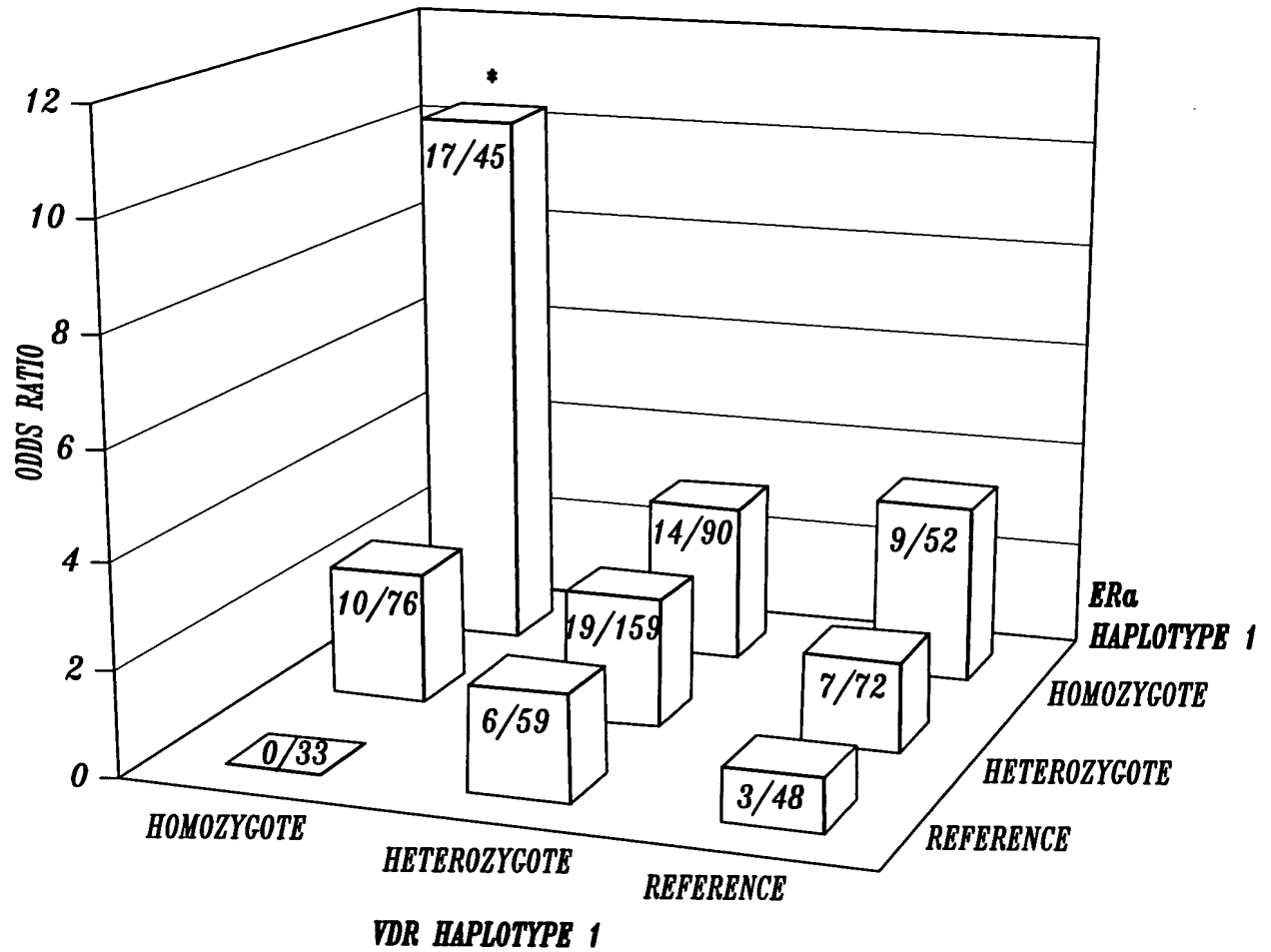


Fig.4.

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(forward primer):

ACAGTATTTTCAAATTACATTTATTCAAGTTATAAAACTGATATCCAGGGTTATGTGGCAATGA

CGTAAAAATTGAAATTGTTATTTTTTTGACACATGTTCTGTGTGTGCCATCAGTTCATCTGAGT

Pvu II RFLP (397 bp in front of exon2)

TCCAAATGTCCCAGC (T/C) GTTTTATGCTTTGTCTCTGTGTTCCAGAGACCCTGAGTGTGGTC

Xba I RFLP (351 bp in front of exon2)

T (A/G) GAGTTGGGATGAGCATTGGTCTCTAATGGTTCTGAAATAATTGTATATTCCCTGCAAAA

ACATTAGTCTATTAGAAACCAGCTAATTTCATTTTGTCTATTTTATAGGTAACATATTCTGGT

(reverse primer):

GCAGGTAGTATGTTTTTAAACAAGTTTGCAATAAACAATTTCCTCCCTCAAGGTTAATATAATAG

GCAACACCTTTTGCTGCAACAGACGGCAAGAGGTAATGAAAGAT

Fig. 5.

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<<< Exon 7 >>>

VDR1 (forward primer)

GGACGACATGTCCTGGACCTGTGGCAACCAAGACTACAAGTA

CCGCGTCAGTGACGTGACCAAAGGtatgcctagactccacct

cctgggggagtcctttttcagctcccagattctggc

forward primer in intron 7)

tccacccgctcctgggggtttggctccaatcagatacatgggag

ggagttaggcaccaacagggagagaagggcgaggggtcagacc

catgggggttggaggtgggtgggcggctcctcagc

Exon 8 >>>

tctgcccgcagtacctggccattgtctctcacagccGGACAC

AGCCTGGAGCTGATTGAGCCCCTCATCAAGTTCCAGGTGGGA

CTGAAGAAGCTGAACTTGCATGAGGAGGAGCATGTCCTGCTC

ATGGCCATCTGCATCGTCTCCCCAGgtatgggggccaggcagg

gaggagctcagggacctggggagcgggagagtatgaaggaca

aagacctgctgagggccagctgggcaacctgaagggagacgt

agcaaaaggagacacagataaggaaatacctactttgctggt

ttgcagagcccctgtggtgtgtggacgctgaggtgcccctca

ctgcccttagctctgccttgcagagtgtgcaggcgattcgta

gggggggattctgaggaactagataagcagggttcc

Fig. 6A.

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Bsm I RFLP (in intron 8)

tggggccacagacaggcctgc (a/g) cattcccaataactcag
gctctgctcttgcggtgaactgggctcaacattcctgttattt
gaggtttcttgcgggcagggtacaaaactttggagcctgaga
gatggttctgcctatatagtttacctgattgattttggaggc
aatgtgcagtgacccttgacctcttccgctgggttagagggtga
gaagagggagaaaaggccgaagaggaagtattgtgaccttg
gggacatgatgtcgggtgatgagggtccaaagaggggcgggcct
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tggactggagggtcaaggaatggagatgggctcctctacccc
tgcccagccagccttctctcattcattcatccacttagcaac
aatttatttgagcacctattaggtaccaggcactatgctaggt
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aattcctaacaagggaagagttttaaaaaataaagtaagtgat
gctacagaagggtagaatagaaggagggaagctgacgtggtc
tgggctacagaggtagagtgttgccaggaatggccttttgga
ggaagaccttttaagctgttatccaaaggatcagtaagagtc
tggcaaagatagcagagcagagttccaagcagaggggagcaca
gatgtgaaggctgggtggccagagagcatggcgcatcgggacg
ctgaggggatggacagagcatggacaggagcaaggccaggca
gggacaggggccagggtgcgccccatggaaggacctaggtctgga

Fig. 6B.

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tcctaaatgcacggagaagtcactggagggctttggggccag
gcagtggtatcacccggtcagcagtcatagaggggtggcctag
ggggtgctgccgttgagtgtctgtgtgggtggggggt

Apa I RFLP (in intron 8)

ggtgggattgagcagtgagg(g/t)gcccagctgagagctcc
tgtgccttcttctctat

Exon 9 >>

Taq I RFLP (in exon 9)

ccccgtgcccacagATCGTCCTGGGGTGCAGGACGCCGCGCT
GAT(T/C)GAGGCCATCCAGGACCGCCTGTCCAACACACTGC
AGACGTACATCCGCTGCCGCCACCCGCCCCCGGGCAGCCACC
TGCTCTATGCCAAGATGATCCAGAAGCTAGCCGACCTGCGCA
GCCTCAATGAGGAGCACTCCAAGCAGTACCGCTGCCTCTCCT
TCCAGCCTGAGTGCAGCATGAAGCTA

Fig. 6C.

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3' -UTR >>>

ACGCCCCTTGCTGCTCGAAGTGTTTGGCAATGAGATCTCCtga
ctaggacagcctgtggcggtgcctgggtggggctgctcctcc
agggccacgtgccaggcccggggctggcggctactcagcagc
cctcctcaccctgtctgggggttcagccctcctctgccacct
cccctatccaccagccattctctctcctgtccaacctaac
ccctttcctgcgggcttttccccggt

(reverse primer):

cccttgagacctcagccatgaggagttgctgttttgtttgaca
aagaaaccaagtggggggcagagggcagaggctggaggcagg
gccttgcccagagatgcctccaccgctgcctaagtggctgct
gactgatgttgagggaacagacaggagaaatgcatccattcc
tcagggaacagagacacctgcacctccccccactgcaggcccc
gcttggtccagcgct...

Fig. 6D.